NOVEMBER/DECEMBER 2024

23UEEL32A — PROGRAMMING IN C
(ELECTIVE III)

Time : Three hours Maximum : 75 marks

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SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define variable.
2. Write down the general format of primary type declaration.
3. Write the syntax of arithmetic expression.
4. What is decrement operator?
5. Compare forward and backward jump.
6. What is called an index number?
7. Define recursion.
8. Define pointers.
9. Write down general format for declaration of a pointer.
10. Define structure.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write about different types of construction in C.

Or

(b) Explain C tokens.

12. (a) Explain Switch statement.

Or

(b) Illustrate the different types of "if statement".

13. (a) Explain one dimensional array.

Or

(b) Give a short note about multi dimensional array.

14. (a) Write a notes on declaring pointer variables.

Or

(b) Discuss about pointers with arrays.

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15. (a) Describe about size of structures.

Or

(b) Write short notes on Unions.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the different types of data type in C programme.

17. Explain for loop with an example.

18. Explain the concept of structure with an example.

19. What is an array? How will you declare and initialize two – dimensional arrays?

20. Explain categories of functions.

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